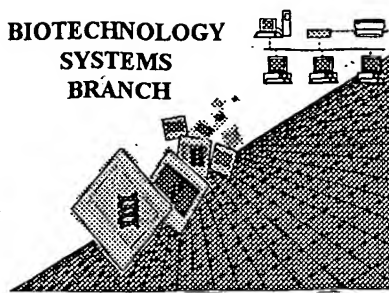


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/018,320  
Source: Pur/10  
Date Processed by STIC: 1/9/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission

**User Manual - ePAVE)**

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 10/08/320

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 3<sup>rd</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length      Sequence(s)          contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)         . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence.  
    <210> sequence id number  
    <400> sequence id number  
    000
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>      Sequence(s)          missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001

BEST AVAILABLE COPY

PCT10

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/018,320

DATE: 01/09/2002

TIME: 12:11:05

Input Set : A:\ES.txt

Output Set: N:\CRF3\01082002\J018320.raw

**Does Not Comply  
Corrected Diskette Needed**

5 <110> APPLICANT: Dhmer Prof. Dr., Johannes  
9 <120> TITLE OF INVENTION: Stable expression of polymorphic forms of human  
11 cytochrome P450 2D6 as an analytical tool in  
13 preclinical drug development  
17 <130> FILE REFERENCE: 271-1 PCT  
21 <140> CURRENT APPLICATION NUMBER: US/10/018,320  
23 <141> CURRENT FILING DATE: 2001-11-12  
27 <160> NUMBER OF SEQ ID NOS: 19  
31 <170> SOFTWARE: PatentIn Ver. 2.1

## ERRORED SEQUENCES

507 <210> SEQ ID NO: 19  
509 <211> LENGTH: 18  
511 <212> TYPE: DNA  
513 <213> ORGANISM: artificial sequence  
517 <220> FEATURE:  
519 <223> OTHER INFORMATION: Description of the artificial sequence:  
521 oligonucleotide  
525 <400> SEQUENCE: 19  
527 atcaccgagc tgagaagc

W--> 529 ++++++4+++++?+?  
W--> 531 ??????  
W--> 533 ????+?????  
W--> 535 ??????  
W--> 537 ?????+?????  
W--> 539 <?????  
W--> 541 ?????+?????  
W--> 543 ++++++?????  
W--> 545 ?????+????4????+  
W--> 547 ++++++?%?????  
W--> 549 ?????+?????  
W--> 551 ++++++?+?????  
W--> 553 ?????+?????  
W--> 555 ???4?+?????  
W--> 557 ?????+?????  
W--> 559 ?????+?????  
W--> 561 ?????+?????  
W--> 563 ???4????+????%?????  
W--> 565 ?????+?????  
W--> 567 ?????+?????  
W--> 569 ?????+?????  
W--> 571 ?????4????4????4????%?  
W--> 573 ?????+?????  
W--> 575 ?????+?????  
W--> 577 ?????+?????

18

*give source of genetic  
material  
insufficient explanation*

*see  
item 11 on  
Error  
summary  
sheet*

*Please  
correct  
this  
error (above)  
in  
all  
sequences.*

*delete at end of file*

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/018,320

DATE: 01/09/2002

TIME: 12:11:06

Input Set : A:\ES.txt

Output Set: N:\CRF3\01082002\J018320.raw

L:21 M:270 C: Current Application Number differs, Replaced Application Number  
 L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
 L:529 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:531 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:531 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:533 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:533 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:535 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:535 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:537 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:537 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:539 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:539 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:541 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:541 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:543 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:543 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:545 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:545 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:547 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:547 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:549 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:549 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:551 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:551 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:553 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:553 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:555 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:555 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:557 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:557 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:559 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:559 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:561 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:561 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:563 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:563 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:565 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:565 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:567 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:567 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:569 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:569 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:571 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:571 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:573 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:573 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:575 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/018,320

DATE: 01/09/2002

TIME: 12:11:06

Input Set : A:\ES.txt

Output Set: N:\CRF3\01082002\J018320.raw

L:575 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:577 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:577 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:579 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:579 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:581 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:581 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:583 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:583 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:585 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:585 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:587 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:587 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:589 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:589 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:591 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:591 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:593 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:593 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:595 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:595 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:597 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:597 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:599 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:599 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:601 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:601 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:603 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:603 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:605 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:605 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:607 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:607 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:609 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:609 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:611 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:611 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:613 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:613 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
 L:615 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:615 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:3  
 L:617 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:617 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:3  
 L:619 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:619 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:2  
 L:621 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:621 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:2  
 L:623 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
 L:623 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:19

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/018,320

DATE: 01/09/2002

TIME: 12:11:06

Input Set : A:\ES.txt

Output Set: N:\CRF3\01082002\J018320.raw

L:623 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
M:254 Repeated in SeqNo=19  
L:625 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:627 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:629 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:631 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:633 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:637 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:639 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:641 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:643 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:645 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:647 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:651 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:653 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:655 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:657 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:659 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:661 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:663 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:665 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:667 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:669 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:671 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:673 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:675 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:677 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:679 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:681 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:683 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:685 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:687 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:689 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:691 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:693 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:695 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:697 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:699 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:701 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:703 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:707 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:709 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:711 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:713 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:715 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:717 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:719 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:721 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:723 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/018,320

DATE: 01/09/2002

TIME: 12:11:06

Input Set : A:\ES.txt

Output Set: N:\CRF3\01082002\J018320.raw

L:725 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:727 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1  
L:763 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:2  
L:765 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
L:767 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
L:769 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
L:769 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:3  
L:771 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:19  
L:797 M:112 C: (48) String data converted to lower case,  
L:837 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:19  
L:837 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:19  
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
M:112 Repeated in SeqNo=19  
L:837 M:252 E: No. of Seq. differs, <211>LENGTH:Input:18 Found:113 SEQ:19